

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Steven duBois on July 6, 2010. Discussed including the limitations of claim 2 into independent claim 1 and including the limitations of claim 10 into independent claim 10. Applicant agreed and authorized the changes throughout the claims.

Claims 2 and 10 have been canceled.

As per claims 1 and 9, please insert the following amendments.

In claim 1, line 4, "packet,;" has been replaced by --packet;--

In claim 1, line 14, "the size of the data portions" has been replaced by
--the size of the data portions;

wherein there are two sizes of memory location in the first memory arranged in two said blocks, one of a size to receive data portions of a first size and the other of a size to receive data portions of a second size, the second size being larger than the first size, and wherein data portions that are too large to be stored in a single memory block are stored as linked lists in a plurality of blocks with pointers pointing to the next block --

In claim 9, line 14, "the size of the data portions" has been replaced by
--the size of the data portions;

wherein there are two sizes of memory location in the first memory arranged in two said blocks, one of a size to receive data portions of a first size and the other of a size to receive data portions of a second size, the second size being larger than the first size, and wherein data portions that are too large to be stored in a single memory block are stored as linked lists in a plurality of blocks with pointers pointing to the next block but without any pointers pointing from one data portion to the next data portion of the packet - -.

Allowable Subject Matter

2. The following is an examiner's statement of reasons for allowance:
3. The prior art fails to disclose or fairly suggest the combination of generating from each said data packet a record portion of predetermined fixed size and containing information about the packet; storing only data portions of said packets in independent memory locations in a first memory; storing only the record portions in one or more managed queues in a second memory having fixed size memory locations equal in size to the size of the record portions; wherein the first memory is larger than the second memory; and the memory locations in the first memory are arranged in blocks having a plurality of different sizes and the memory locations are allocated to the data portions according to the size of the data portions; wherein there are two sizes of memory

location in the first memory arranged in two the blocks, one of a size to receive data portions of a first size and the other of a size to receive data portions of a second size, the second size being larger than the first size, and wherein data portions that are too large to be stored in a single memory block are stored as linked lists in a plurality of blocks with pointers pointing to the next block.

Conclusion

4. Other closer prior art made of record are Branstad et al. (US 6181705 B1) and Janoska et al. (US 2002/0066000 A1).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to ABDULLAH RIYAMI whose telephone number is (571)270-3119. The examiner can normally be reached on Monday through Thursday 8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Aung Moe can be reached on (571) 272-7314. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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